

# V2802RH

1\*XPON+1\*2.5GbE+1\*GE ONT

### Key Features:



XPON Dual Mode  
Automatically Access to  
EPON/GPON



Detecting  
Rogue ONU



2.5GbE  
LAN Port



Wide Working Temp  
-20°C~+60°C

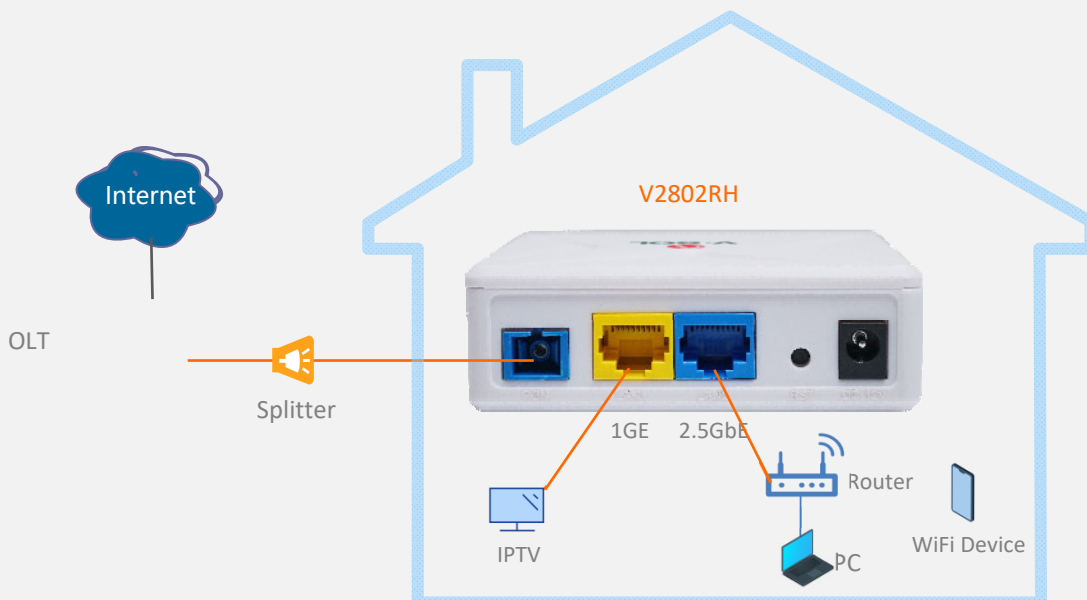
### Introduction:

V2802RH(1\*2.5GE+1GE XPON ONT) is specially designed to meet the needs of telecom operators for FTTO (office), FTTD (desktop), FTTH (home), SOHO broadband access, video surveillance, etc. It is based on mature XPON technology, high reliability, easy maintenance, and can provide QoS guarantee for different services.

The ONT's 2.5GE network port can fully meet the high access bandwidth requirements of WIFI 6 technology, AR/VR technology, 8K video and other technologies, and can bring fast Internet access experience and lower Internet latency for home users and enterprise users.

The ONT has high reliability and is easy to manage and maintain. It complies with the China Telecom CTC2.1/3.0 and international technical standards such as IEEE802.3ah and ITU-T G.984.

### Application Chart:



## ○ Hardware Parameter

Dimension	100mm*92mm*29.5mm(L*W*H)
Net weight	0.13KG
Operating condition	<ul style="list-style-type: none"> <li>Operating temp: -20 ~ +60°C</li> <li>Operating humidity: 10 ~ 90% (non-condensing)</li> </ul>
Storing condition	<ul style="list-style-type: none"> <li>Storing temp:-30 ~ +70°C</li> <li>Storing humidity: 10 ~ 90% (non-condensing)</li> </ul>
Power adapter	DC 12V, 0.5A, external AC-DC power adaptor
Interfaces	1*2.5GbE+1*GE
Indicators	POWER, PON, LOS, WAN, LAN1, LAN2

## ○ Interface Parameter

PON interface	<ul style="list-style-type: none"> <li>1 XPON port(EPON PX20+ &amp; GPON Class B+)</li> <li>SC single mode, SC/UPC connector</li> <li>TX optical power: 0~+4dBm</li> <li>RX sensitivity: -27dBm</li> <li>Overload optical power: -3dBm(EPON) or -8dBm(GPON)</li> <li>Transmission distance: 20KM</li> <li>Wavelength: TX 1310nm, RX1490nm</li> </ul>
LAN interface	1*2.5GbE+1*GE(Optional), Auto-negotiation RJ45 connectors
Button	Reset

## ○ Function Data

XPON Mode	Dual mode,Auto-access to EPON/GPON OLT
Uplink Mode	Bridging and Routing Mode
Abnormal protection	Detecting Rogue ONU, Hardware Dying Gasp
Firewall	DDOS, Filtering Based on ACL/MAC/URL

## ○ Product Feature

Basic	<ul style="list-style-type: none"> <li>Support MPCP discover&amp;register</li> <li>Support authentication Mac/Loid/Mac+Loid</li> <li>Support Triple Churning</li> <li>Support DBA bandwidth</li> <li>Support auto-detecting, auto-configuration, and auto firmware upgrade</li> <li>Support SN/Psw/Loid/Loid+Psw authentication</li> </ul>
Alarm	<ul style="list-style-type: none"> <li>Support Dying Gasp</li> <li>Support Port Loop Detect</li> <li>Support Eth Port Los</li> </ul>
LAN	<ul style="list-style-type: none"> <li>Support Port rate limiting</li> <li>Support Loop detection</li> <li>Support Flow control</li> <li>Support Storm control</li> </ul>
VLAN	<ul style="list-style-type: none"> <li>Support VLAN tag mode</li> <li>Support VLAN transparent mode</li> <li>Support VLAN trunk mode(max 8 vlans)</li> <li>Support VLAN 1:1 translation mode(≤8 vlans)</li> <li>Auto VLAN detection</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>Support IGMPv1/v2/Snooping</li> <li>Max Multicast vlan 8</li> <li>Max Multicast Group 64</li> </ul>
QOS	<ul style="list-style-type: none"> <li>Support 4 queues</li> <li>Support SP and WRR</li> <li>Support 802.1P</li> </ul>
L3	<ul style="list-style-type: none"> <li>Support IPv4/IPv6</li> <li>Support DHCP/PPPOE/Static IP</li> <li>Support Static route</li> <li>Support NAT</li> </ul>
Management	<ul style="list-style-type: none"> <li>Support CTC OAM 2.0 and 2.1</li> <li>Support ITUT984.x OMCI</li> <li>Support TR069/WEB/TELNET/CLI</li> </ul>

Product Name	Product Description	Accessories
V2802RH	1*2.5GbE+1*GE	AC-DC power adaptor: DC12V/0.5A